

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839405

Luminaire Tested: **LD4C80D010 EU4809030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C80D010 EU4809030 4LBSH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

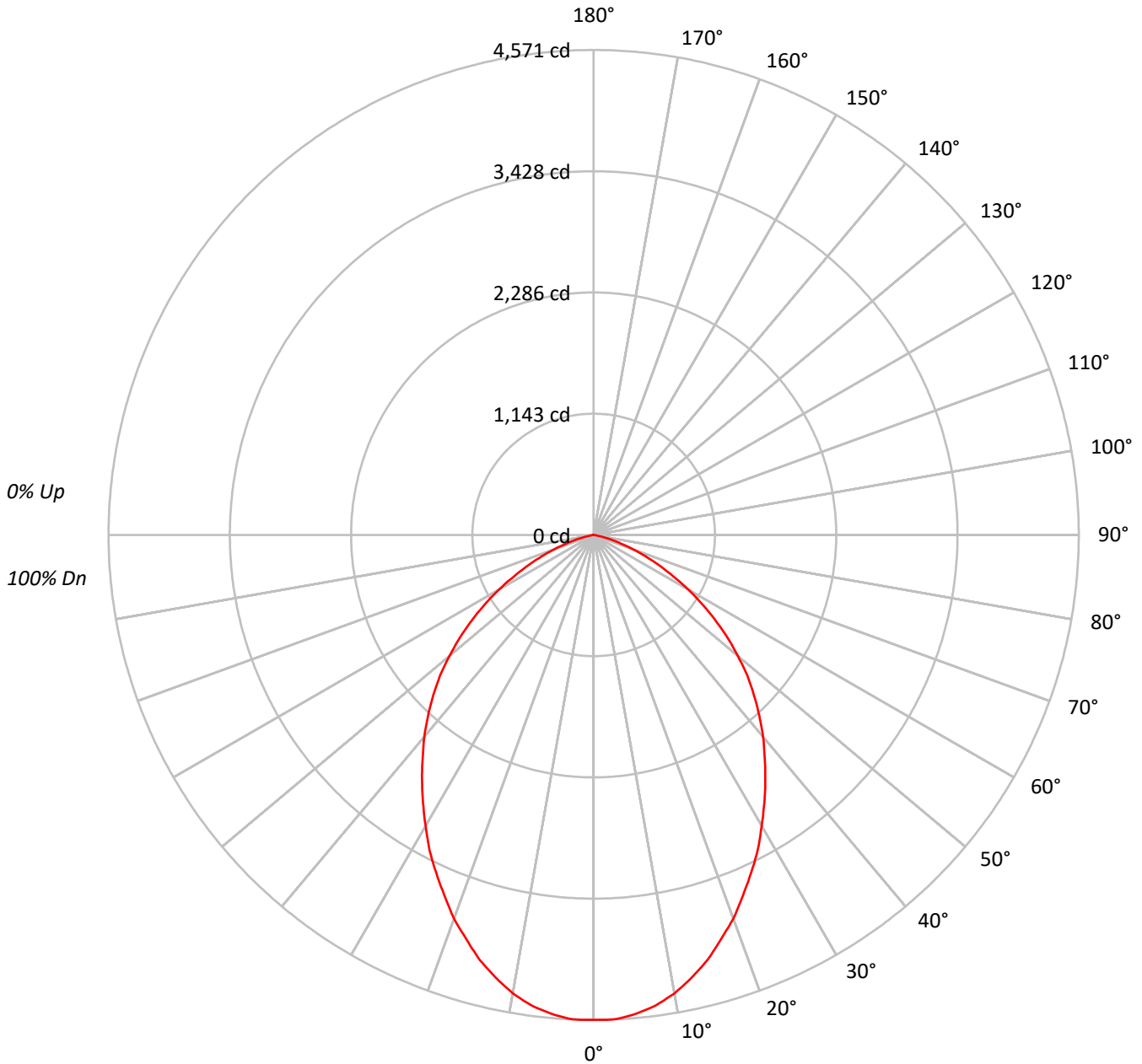
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8740.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	561563
5°	558960
10°	547422
15°	527522
20°	503236
25°	476119
30°	449126
35°	422858
40°	398160
45°	371163
50°	338446
55°	298879
60°	253004
65°	198633
70°	141776
75°	77656
80°	13654
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.2	4.9
10°-20°	1163.7	13.3
20°-30°	1616.1	18.5
30°-40°	1763.6	20.2
40°-50°	1645.2	18.8
50°-60°	1248.7	14.3
60°-70°	683.8	7.8
70°-80°	188.2	2.2
80°-90°	2.6	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3208.0	36.7
0°-40°	4971.6	56.9
0°-60°	7865.5	90.0
0°-90°	8740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8740.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4571	
5°	4532	428
15°	4148	1164
25°	3512	1616
35°	2820	1764
45°	2136	1645
55°	1395	1249
65°	683	684
75°	164	188
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4571.0
2.5°	4571.0
5°	4532.5
7.5°	4474.9
10°	4388.2
12.5°	4272.8
15°	4147.6
17.5°	3993.8
20°	3849.2
22.5°	3676.0
25°	3512.4
27.5°	3349.0
30°	3166.0
32.5°	2992.8
35°	2819.5
37.5°	2646.3
40°	2482.7
42.5°	2309.5
45°	2136.3
47.5°	1963.1
50°	1770.8
52.5°	1587.8
55°	1395.4
57.5°	1212.4
60°	1029.7
62.5°	846.9
65°	683.3
67.5°	529.2
70°	394.7
72.5°	269.5
75°	163.6
77.5°	76.9
80°	19.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)